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UTILITY PATENT APPLICATION

Attorney Docket No.	STL11317	
First Inventor	Reed David Hanson	ĸ
Title	See 1 in Addendum	01
Express Mail Label No.	EV235178066US	U.S.

TRANSMITTAL	Title	See 1 in Addendum		010	辽	
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.	EV235178	066US	ŭ	34	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO:	Mail Stop Pate Commissione P.O. Box 1450 Alexandria VA	r for Patents		03917	
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 17] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 6] 5. Oath or Declaration [Total Sheets 4] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	b. Specificat i. CD ii. Pap c. Statemet ACCOMPAN 9. X Assignment F 10. X 37 CFR 3.73 (when there is English Tran 12. X Information Estatement (II 13. Preliminary A 14. X Return Rece (Should be s) 15. Certified Cop (if foreign pri 16. Nonpublication	ram (Appendix, mino Acid Sequessary) r Readable Forntion Sequence It. ROM or CD-Roer Atts verifying ide YING APPL Papers (cover sold) Statement is an assignee) sold sold sere Disclosure DS)/PTO-1499 Amendment ipt Postcard (Micoecifically itemic by of Priority Docority is claimed) on Request und Applicant must a	uence Subruence	or ve copies PARTS ument(s)) ower of ttorney able) opies of IDS itations		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:						
Continuation Divisional Continuation-in-part (CIP) of prior application No.:						
Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
19. CORRESPONDENCE ADDRESS						
Customer Number: OR X Correspondence address below						
Name David K. Lucente, Seagate Technology LLC						
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City Longmont	State CO		Zip Code	80503		
Country US 7	elephone 720-684-22	95	Fax	720-684-25	88	
Name (Print/Type) David K. Lucente Registration No. (Attorney/Agent) 36,202						

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Addendum

1. FRACTIONAL-RATE FEEDFORWARD RRO COMPENSATOR

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Application Number September 2, 2003 Filing Date for FY 2003 Reed David Hanson First Named Inventor Effective 01/01/2003. Patent fees are subject to annual revision. **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit (\$) 790.00STL11317 TOTAL AMOUNT OF PAYMENT Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Money 3. ADDITIONAL FEES Check Credit card Other None Large Entity Small Entity X Deposit Account: Fee Fee **Fee Description** Deposit Code (\$) Code (\$) Fee Paid 19-1038 2051 1051 130 65 Surcharge - late filing fee or oath Number Deposit 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet Name 1053 130 1053 130 Non-English specification The Commissioner is authorized to: (check all that apply) 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 Credit any overpayments X Charge fee(s) indicated below Requesting publication of SIR prior to 1804 9201 1804 9201 Charge any additional fee(s) during the pendency of this application Examiner action Requesting publication of SIR after Examiner action Charge fee(s) indicated below, except for the filing fee 1805 1,840 1805 1,8401 to the above-identified deposit account Extension for reply within first month 1251 110 2251 55 **FEE CALCULATION** Extension for reply within second month 1252 410 2252 205 1. BASIC FILING FEE Extension for reply within third month 1253 930 2253 465 arge Entity Small Entity F<u>ee</u> Fee Paid Fee Description Fee Extension for reply within fourth month Fee 1254 1,450 2254 725 Code (\$) Code (\$) Extension for reply within fifth month 2255 985 1255 1,970 1001 750 2001 375 Utility filing fee 750.00 1401 320 2401 160 Notice of Appeal 1002 330 2002 165 Design filing fee 2402 Filing brief in support of an appeal 1402 320 160 1003 520 2003 260 Plant filing fee Request for oral hearing 2403 140 1403 280 1004 750 2004 375 Reissue filing fee 1,510 1451 1,510 Petition to institute a public use proceeding Provisional filing fee 2005 80 1005 160 2452 Petition to revive - unavoidable 1452 110 55 SUBTOTAL (1) (\$) 750.00 1453 1.300 2453 650 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,300 2501 650 Utility issue fee (or reissue) Fee from Extra Claims Fee Paid 1502 470 2502 235 Design issue fee **Total Claims** -20** = 0 1503 2503 315 Plant issue fee 630 Independent - 3** = 0 0 Petitions to the Commissioner Claims L Multiple Dependent 1460 130 1460 130 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Large Entity Small Entity 180 1806 180 Submission of Information Disclosure Stmt 1806 Fee Fee Fee Fee Description Recording each patent assignment per Code (\$) Code (\$) 8021 40 8021 40 40.00 property (times number of properties) Claims in excess of 20 1202 2202 9 18 Filing a submission after final rejection 1809 750 2809 375 2201 42 Independent claims in excess of 3 1201 84 (37 CFR 1.129(a)) Multiple dependent claim, if not paid 375 1203 280 2203 140 1810 750 2810 For each additional invention to be examined (37 CFR 1.129(b)) ** Reissue independent claims 1204 42 84 2204 over original patent 1801 750 2801 Request for Continued Examination (RCE) Request for expedited examination Reissue claims in excess of 20 1802 900 1802 1205 18 2205 9 of a design application and over original patent Other fee (specify) (\$) SUBTOTAL (2) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) l(\$) 40.00 **or number previously paid, if greater; For Reissues, see above

(Complete (if applicable) SUBMITTED BY Registration No. Name (Print/Type) Telephone 720-684-2295 David K. Lucente 36,202 (Attorney/Agent) September 2, 2003 Date Signature

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